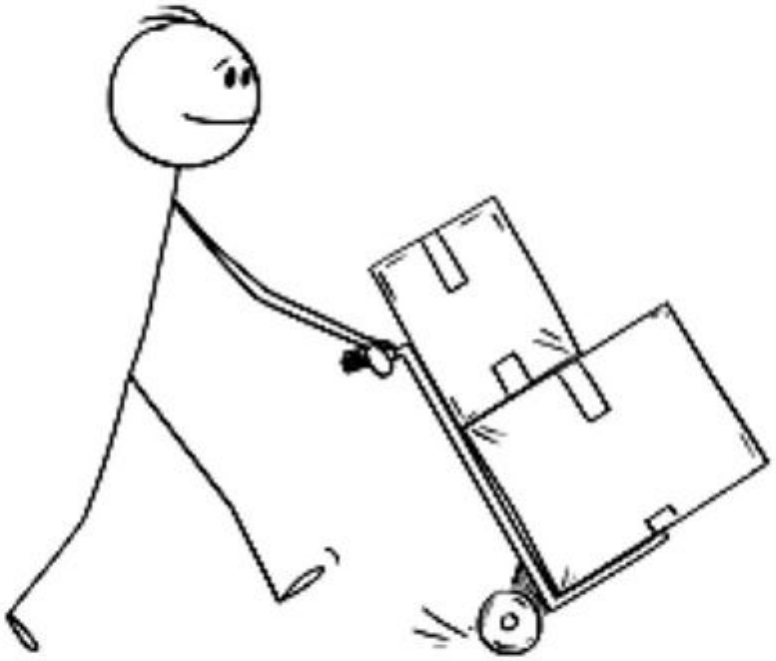
WHAT IS

DOCKER



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Development

Lets say You created an Application

And that's working fine in your machine

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Production

But in Production it doesn't work properly

Developers experince it a lot

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That is when the Developer's famous words are spoken

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The Reason could be due to :

- Dependencies
- Libraries and versions
- Framework
- OS Level features
- Microservices

That the developers machine has but not there in the **production environment**

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DOCKER

We need a standardized way to package the application with its **dependencies** and deploy it on any environment.

Docker is a tool designed to make it easier to **create**, **deploy**, and **run** applications by using **containers**.

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So it will always work the same regardless of its environment

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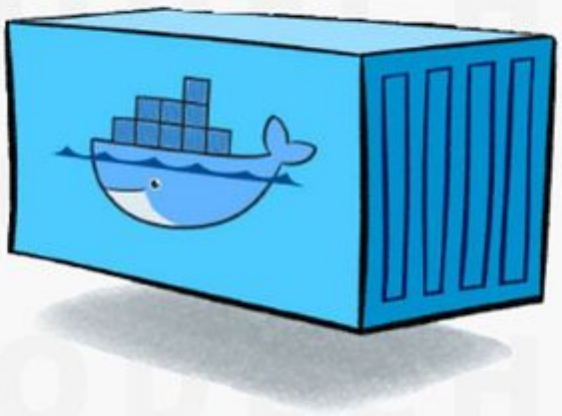
How Does Docker Work?

Docker packages an application and all its **dependencies** in a **virtual container** that can run on any Linux server.



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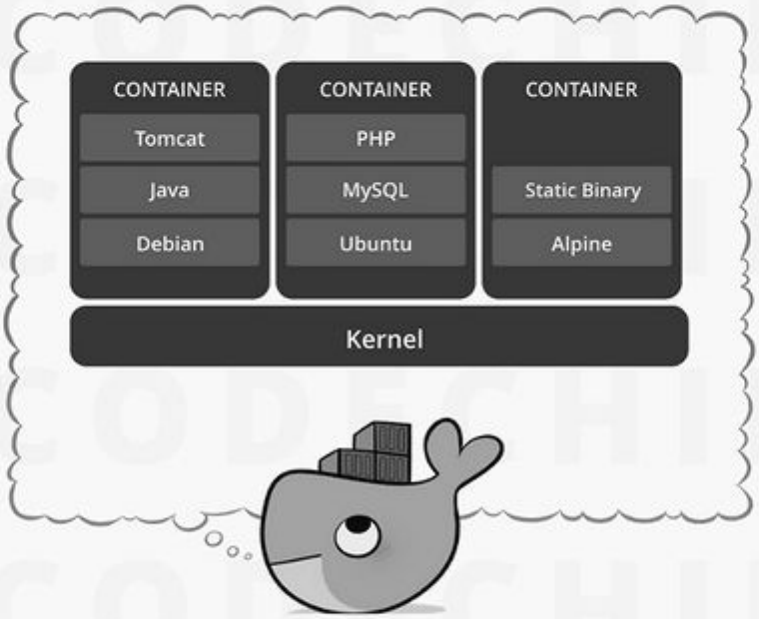
Each container runs as an **isolated process** in the user space and take up **less space** than regular VMs due to their layered architecture.



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